Student name:

Revision worksheet

Chapter 1 lesson 3: Add Integers

Question 1: Find the sum of each expression

Rule1:

Rule 2:

$-78+(-10)$	$-27+(-29)$
$-36+13$	$98+(-13)$
$-33+(-23)$	$-49+(-15)$
$-50+23$	$74+(-22)$
$43+(-12)$	$-29+25$

Question 2

A shark is swimming 60 feet below the surface of the ocean. There is a fish that is 25 feet deeper in the water. Use the expression $(-60) + (-25)$ to describe the fish's location relative to the surface of the ocean.

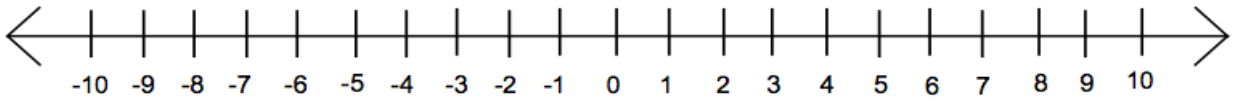
Question 3

Suppose a deep-sea diver dives from the surface to 81
feet below the surface. He then dives down 12 more feet. The diver's depth is represented by the sum $-81+(-12)$. What is the diver's present location?

Question 4

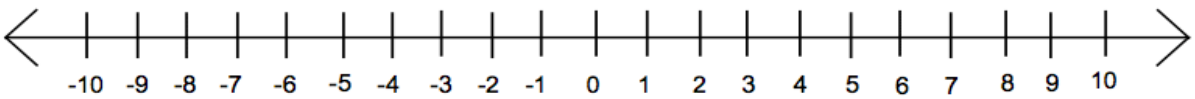
Complete the statement below. Then use the number lines to find each sum.

a) $7+(-2)$ is ___ units from 7, in the ___ direction.



So, $7+(-2)$ =

b) $-5+(-3)$ is___ units from -5, in the ___ direction



So, −5+(−3) =

Chapter 1 lesson 4: Subtract Integers

Question 1: Find the difference

4 – (– 6)	–12 – (–6)
−6 – (– 5)	–9 – 8
–25 – 48	–14 – (–74)
61 – 93	24 – 28
28– (– 20)	– 36 – (–10)

Question 2

Murphy and Naryam do their math homework together. When they find 4−(−7), they get different answers. Murphy claims the difference is 11. Naryam claims the difference is 3.
Who is correct?

Question 3

The temperature at the beginning of the day was −3°F.

The temperature dropped 9°F by the end of the day. What was the temperature at the end of the day?

Question 4

An elevator starts at the main floor and goes up 7 floors. It then goes back down 10 floors. What integer represents the elevator's final position with respect to the main floor?

Question 5

Adrienne and Suki simplified the expression –9 – (– 6). Whose answer is correct?

Adrienne's Work	Suki's Work
–9 – (–6) = –15	–9 – (–6) = –3

Mixed Problems
Circle the correct answer.

What is 242 + (−66)?

A. 176
B. 117
C. 153
D. 49

What is (−59) + (−364)?

A. −214
B. −287
C. −423
D. −227

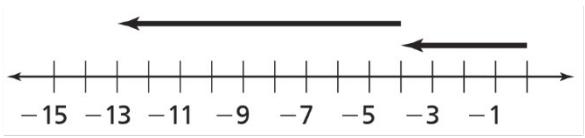
(−7) − (−3) =

A. −9
B. −4
C. 4
D. −6

−2 – 4=

A. 0
B. 2
C. −9
D. −6

Which subtraction expression does the number line show?



A. $-13 + 4$

B. $-4 - 13$

C. $-4 - 9$

D. $-4 + 9$